Appendix A.

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region Project/Site: Finca Maria & bouis SA Limon Municipality/Town: Guanics Sampling Date: 1900/14 Applicant/Owner: Autoridad de Tierras de PR, ATPR PR or USVI: PR Sampling Point: 7.1 Investigator(s): Luis Pérez Alegria, Alejandro Cubino Ward/Estate: Cienaga Landform (hillslope, terrace, etc.): Valley F Loor Local relief (concave, convex, none): FLQ+ Datum: NAD83 Soil Map Unit Name: CeA: Cartagena Clay, 0-2% Slope NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No _____ (If no, explain in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes_ Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION – Use scientific names of plants. Tree Stratum (Plot size: 30 Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Number of Dominant Species 1. NONE That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: = Total Cover Sapling/Shrub Stratum (Plot size: / / Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species _____ x 1 = ____ FACW species _____ x 2 = ____ FAC species _____ x 3 = ___ FACU species _____ x 4 = ___ UPL species _____ x 5 = ____ Herb Stratum (Plot size: Column Totals: _____ (A) ____ (B) 1. Erwchloa polystachya 2. Ellocharis fallax Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is >50% __ 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) 65 = Total Cover ¹Indicators of hydric soil and wetland hydrology must Woody Vine Stratum (Plot size: 30' be present, unless disturbed or problematic. 1. NON e Hydrophytic Vegetation Present?

= Total Cover

Remarks:

SOIL				4 4 h a 1 m	diagter or	confirm	the absence of ir	dicators)		
Profile Desc	cription: (Describe	to the depth i				COMMIN	the absence of it	idicators.)		
Depth	Matrix			x Features %	Type	Loc ²	Texture	Remarks	s	
(inches)	Color (moist)	_% -	Color (moist)		ON	LOC	Coll			
0-6	10483/1			. — —	200	_	-		-	
	N4/	20								
6-10	10YP3/1	80			RM		clay			
6 10	NG1	10								
10-18	10YR3/2	100								
							· · · · · · · · · · · · · · · · · · ·			
						250				
							21tion: D	L=Pore Lining, M=1	Matrix	
	Concentration, D=Dep	oletion, RM=R	educed Matrix, M	S=Masked	Sand Grain	15.		Problematic Hydri		
Hydric Soil	Indicators:			SHEART 6160 195	501100				10 90110 1	
Histoso	ol (A1)		Sandy Gleye		64)		Stratified L			
	Epipedon (A2)		Sandy Redo				Red Parent Material (F21)			
	listic (A3)		Stripped Mai				Very Shallow Dark Surface (TF12) Other (Explain in Remarks)			
ACCUPATION OF THE PARTY OF THE	en Sulfide (A4)		Dark Surface		F0)		— Other (Exp	nani in Kemarka)		
	c Bodies (A6)		Loamy Gley		F2)					
	lucky Mineral (A7)		<u></u> ✓ Depleted Ma		C)		3Indicators of b	ydrophytic vegetati	on and	
100	resence (A8)		Redox Dark					drology must be pre	90	
	ed Below Dark Surfac	ce (A11)	Depleted Da				30 FOR 150	urbed or problemat		
Thick E	Dark Surface (A12)		Redox Depr	essions (F	3)		uniess disc	urbed or problemat		
Restrictive	Layer (if observed)):								
20000000000000000000000000000000000000	2010 19 To 10 To 1									
	nches):						Hydric Soil Pre	esent? Yes	No	
Remarks:	nches).						100 - 0			
	201						1.			
HYDROL	ac esta							191		
	ydrology Indicators						0	- diestere (minimum	m of two required)	
Primary Inc	dicators (minimum of	one required:						Indicators (minimur	If of two required)	
Surfac	e Water (A1)			ained Leav	1000		Surface	Soil Cracks (B6)	- ((50)	
High Water Table (A2) Aquatic Fauna (B13)				Sparsely Vegetated Concave Surface (B8)						
Saturation (A3) Hydrogen Sulfide Odor (C1)				Drainage Patterns (B10)						
	Marks (B1)		Oxidized	Rhizosphe	res on Livir	ng Roots		ason Water Table (
	ent Deposits (B2)		Presence	e of Reduc	ed Iron (C4))	Saturat	ion Visible on Aeria	al Imagery (C9)	
	eposits (B3)				ion in Tilled		6) Geomo	orphic Position (D2)		
			Thin Muc					v Aquitard (D3)		
	Mat or Crust (B4)		Fiddler C				5	eutral Test (D5)		
	eposits (B5)	Lineagen (D7)						en a en constitution de la constitutió de la constitució de la constitutió de la con		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ation Visible on Aeria	i imagery (B7)	Other (E	хрівін ін К	omains)					
8000000	ervations:		<u> </u>	C 112 - V	1					
Surface W			o Depth (i		6					
Water Tab	le Present?	Yes N	o Depth (i	inches):	10			1	/	
Saturation	Present?	Yes N	lo Depth (i	inches):	10	_ Wet	land Hydrology F	resent?Yes	No	
Carlendar o	acrillon, frings)						if available:			
Describe F	Recorded Data (strea	m gauge, mor	nitoring well, aeria	al photos, p	revious ins	pections,	i, if available.			
Remarks:										

WETLAND DETERMINATION DATA FORM - Caribbean Islands Region Project/Site: Fincs Mseis Autonis 5A. Limón Municipality/Town: GUSUICS Sampling Date: 17 Sept 14

Applicant/Owner: Autorioladde Tierras de PR, ATPR PR or USVI: PR Sampling Point: 7.2 Investigator(s): Luis R. Pérez · Alegria, Alejandro Cubininard/Estate: Ciénago Landform (hillslope, terrace, etc.): Valley Ploor Local relief (concave, convex, none): Flat Datum: NAD 83, SP Soil Map Unit Name: GnA: Guánica day, 0-1% slope NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ____ (If no, explain in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No_____ Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? No _____ Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species NONE That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: 1. NONE Total % Cover of: Multiply by: OBL species _____ x 1 = ____ FACW species _____ x 2 = ____ FAC species _____ x 3 = ___ FACU species _____ x 4 = ___ = Total Cover UPL species _____ x 5 = ____ Herb Stratum (Plot size: Column Totals: _____ (A) _____ (B) Eleocharis tallax Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 Problematic Hydrophytic Vegetation (Explain) __ = Total Cover Indicators of hydric soil and wetland hydrology must Woody Vine Stratum (Plot size: ___ be present, unless disturbed or problematic. 1. _ NONE Hydrophytic Vegetation Present? = Total Cover Remarks:

7		0
1	•	4

Profile Description: (Describe to the de	oth needed to document the indicator	or confirm t	he absence of in	dicators.)		
Depth Matrix	Redox Features					
(inches) Color (moist) %	Color (moist) % Type	_Loc ² _	Texture	Remarks		
0-6 10 YR 3/1 90Y			clay			
10 YR 3/3 10%		- A	day			
10 101101			clay -			
5-10 10 YR 3/1	,		m/ milon	11		
0-18 7.5427/1 90%			a lay loar	и.		
N3/ 10%	<u> </u>					
	3.5. · · · · · · · · · · · · · · · · · ·					
Type: C=Concentration, D=Depletion, RN	I=Reduced Matrix MS=Masked Sand G	rains.	² Location: P	L=Pore Lining, M=Matrix.		
Hydric Soil Indicators:			Indicators for	Problematic Hydric Solls ³ :		
Histosol (A1)		Stratified Layers (A5)				
Histic Epipedon (A2)	Sandy Gleyed Matrix (S4) Sandy Redox (S5)		Red Parent Material (F21)			
Black Histic (A3)	Stripped Matrix (S6)		Very Shallow Dark Surface (TF12)			
Hydrogen Sulfide (A4)	Dark Surface (S7)		Other (Explain in Remarks)			
Organic Bodies (A6)	Loamy Gleyed Matrix (F2)					
5 cm Mucky Mineral (A7) Muck Presence (A8)	Depleted Matrix (F3) Redox Dark Surface (F6)		3Indicators of h	ydrophytic vegetation and		
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)		wetland hydrology must be present,			
Thick Dark Surface (A12)	Redox Depressions (F8)		unless disturbed or problematic.			
Restrictive Layer (if observed):						
legal						
Type: Depth (inches):			Hydric Soil Present? Yes No			
Remarks:				M ====0		
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one require	ed; check all that apply)			ndicators (minimum of two required		
Surface Water (A1)	Water-Stained Leaves (B9)			Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B13)			y Vegetated Concave Surface (B8)		
Saturation (A3)	— Hydrogen Sulfide Odor (C1			e Patterns (B10)		
Water Marks (B1)	Oxidized Rhizospheres on I			ason Water Table (C2)		
Sediment Deposits (B2)	Presence of Reduced Iron (on Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Recent Iron Reduction in Ti	lled Solls (C6)		rphic Position (D2)		
Algal Mat or Crust (B4)	Thin Muck Surface (C7)			Aquitard (D3) eutral Test (D5)		
Iron Deposits (B5)	Fiddler Crab Burrows (C10)		FAC-NE	sullal Test (D3)		
Inundation Visible on Aerial Imagery	B7) Other (Explain in Remarks)					
Field Observations:	No Depth (inches):					
195 Jenky	No Depth (inches):		nd Hydrology P	resent? Yes No		
(includes capillary fringe)	No Depth (inches):		M5 (775)	1636Ht: 163 NO		
Describe Recorded Data (stream gauge,	monitoring well, aerial photos, previous	inspections), i	f available:			
Remarks:						